

Europäisches Patentamt

European Patent Office
Office européen des brevets



(11) EP 1 152 120 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 12.06.2002 Bulletin 2002/24

(51) Int Cl.7: **E21B 43/10**, E21B 43/08

(43) Date of publication A2: 07.11.2001 Bulletin 2001/45

(21) Application number: 01304042.3

(22) Date of filing: 03.05.2001

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

MC NL PT SE TR

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 05.05.2000 US 565899

(71) Applicant: Halliburton Energy Services, Inc. Dalias, Texas 75381-9052 (US)

(72) Inventors:

Castano-Mears, Ana M.
 Coppell, Texas 75019 (US)

Gano, John C.
 Carrollton, Texas 75007 (US)

• Echols, Ralph H. Carrollton, Texas 75287 (US)

(74) Representative: Curtis, Philip Anthony et al
 A.A. Thornton & Co.,
 235 High Holborn
 London WC1V 7LE (GB)

(54) Expandable well screen

(57) An expandable well screen (36) provides increased collapse, torsional and tensile strength. In an embodiment, the expandable well screen (36) includes a generally tubular base pipe (38) and an external filtering media (40). The well screen (36) is configured to have sufficient torsional and tensile strength for conveyance and positioning in a wellbore, while also having sufficient strength to prevent collapse when the screen (38) is radially expanded.

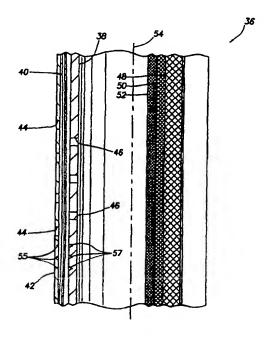


FIG.2



EUROPEAN SEARCH REPORT

EP 01 30 4042

		ERED TO BE RELEVANT		
Category	Chation of document with i	ndication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IRLCI.7)
X	FR 2 771 133 A (DR) 21 May 1999 (1999-(* claim 1 * * figures 6,7 *		1,9	E21B43/10 E21B43/08
x	US 3 099 318 A (MIL 30 July 1963 (1963- * column 7, line 29 * figures 1-4 *	LER MONTGOMERY K ET AL) 07-30) -32 *	1,9	
x	WO 98 49423 A (SHEL RESEARCH (NL)) 5 November 1998 (19 * page 4, line 28-3 * figures 3,4 *	L CANADA LTD ;SHELL INT 98-11-05) 5 *	7	
A	US 5 901 789 A (KEN AL) 11 May 1999 (19 * the whole documen	TER CORNELIS JAN ET 99-05-11) t *	1,3,5, 7-10	
				TECHNICAL FIELDS SEAFOLUTE: (PCL.7) E218
ĺ				
	The present search report has t	oen drawn up for all claims		
	Place of secrot	Date of completion of the search	LI	
	THE HAGUE	19 April 2002	Scho	outen, A
X : partic Y : partic docur A : techn O : non-	TEGORY OF CITED DOCUMENTS tuleuty relevant if taken stone safety relevant if combined with another relevant if combined with another safety of the same category of opical background written disclosure recitate document	T : theory or principle E: sarlier patent doc after the fitting data er D: document clad in L: document clad to ă: morniber of the sa	underlying the iz ument, but public the application r other reasons	wention hed on, or

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 01 30 4042

This annex asts the patent family members relating to the patent documents clied in the above-membered European search report. The members are as contained in the European Patent Office EOP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-04-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date	
FR	2771133	A	21-05-1999	FR AU	2771133 A1 1159199 A	21-05-1999 07-06-1999
				MO	9925951 A1	27-05-1999
US 	3099318	A	30-07-1963	NONE		
WO	9849423	Α	05-11-1998	AU	717503 B2	30-03-2000
				AU	7651798 A	24-11-1998
				BR	9809005 A	08-08-2000
				WO	9849423 A1	05-11-1998
				EP NO	0980462 A1	23-02-2000
					995248 A	27-10-1999
US	5901789	A	11-05-19 9 9	AU	710745 B2	30-09-1999
				AU Br	7568096 A	29-05-1997
				DE	9611456 A 69617258 D1	17-02-1999
				EA	980433 .A1	03-01-2002
				WO	9717524 A2	29-10-1998 15-05-1997
				EP	0859902 A2	26-08-1998
				JP	11514712 T	14-12-1999
				NO	982087 A	07-07-1998
				NZ	322015 A	28-10-1999
				US	6012522 A	11-01-2000

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

- - - .